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## Position sensitive Ultra cold neutron detector using 10B-coated CCD

Ultra-cold neutron are used in many particle physics experiments such as measurment of the neutron EDM, the neutron lifetime or of graviationnal quantum states. These neutrons with energies below 250neV tends to bounce on most material and poses several dectecion challanges.

We present a position-sensitive UCN detector using boron 10 coated CCD sensors reaching an efficiency of 85% in a large velocity range and a spacial resolution close to 2um.

## **Primary experiment**

**GRANIT** 

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